NAME_____**DATE**_____**PER.**_____

ROTATIONS

Tell whether rotating each letter 90° clockwise would produce a letter of the alphabet. If yes, name the letter.

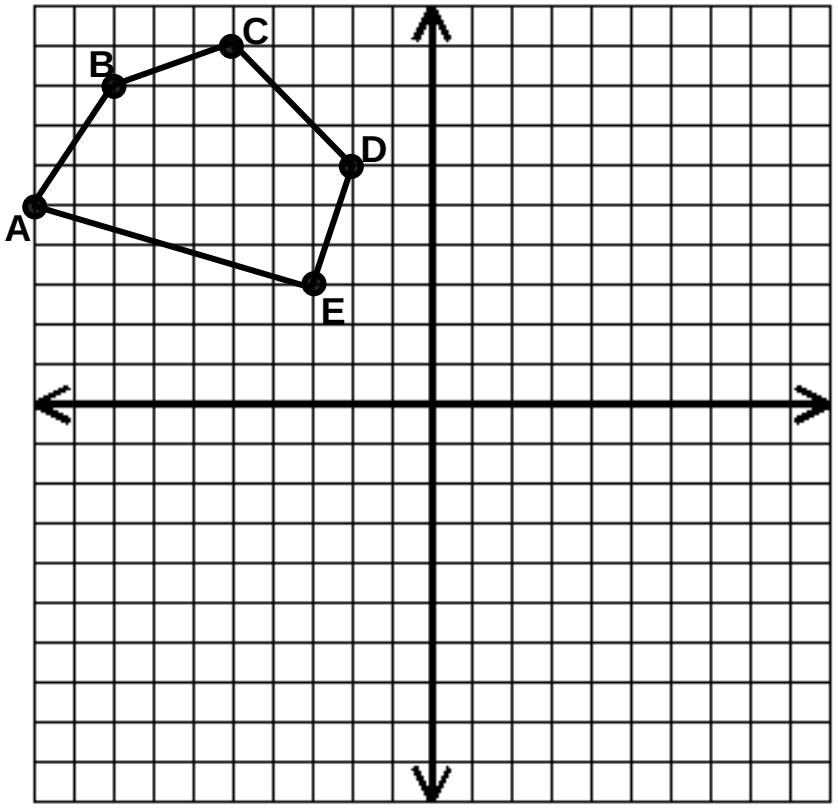
1. YES or NO Letter:	H
2. YES or NO Letter:	M
3. YES or NO Letter:	W

Use the polygon below to perform the rotation indicated. Give the coordinates of the rotated polygon about the origin. WHEN PERFORMING EACH ROTATION, GO BACK TO THE ORIGINAL POLYGON.

4. 90° clockwise:
   - A'(_____, _____)
   - B'(_____, _____)
   - C'(_____, _____)
   - D'(_____, _____)
   - E'(_____, _____)

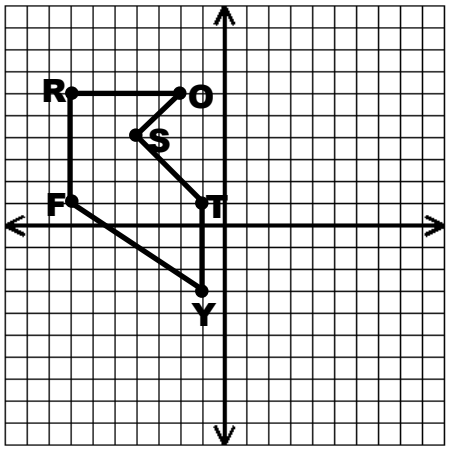
5. 180° :
   - A'(_____, _____)
   - B'(_____, _____)
   - C'(_____, _____)
   - D'(_____, _____)
   - E'(_____, _____)

6. 90° counter-clockwise:
   - A'(_____, _____)
   - B'(_____, _____)
   - C'(_____, _____)
   - D'(_____, _____)
   - E'(_____, _____)



Rotate the figure below 180° about the origin and give the coordinates of the rotated polygon.

7. F'(_____, _____)
   R'(_____, _____)
   O'(_____, _____)
   S'(_____, _____)
   T'(_____, _____)
   Y'(_____, _____)

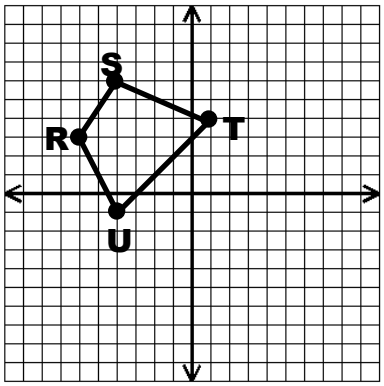


REVIEW

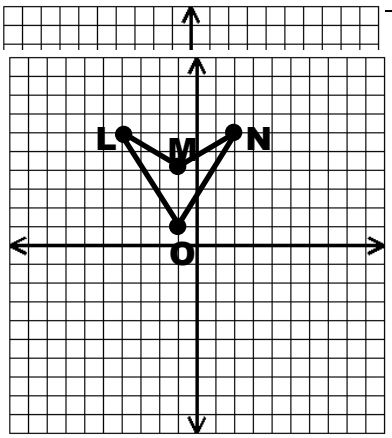
Draw the reflections to the figures below and write the new coordinates.

8. R'(_____, _____)
   S'(_____, _____)
   T'(_____, _____)
   U'(_____, _____)

Reflect across the y-axis.



9. L'(_____, _____)
   M'(_____, _____)
   N'(_____, _____)
   O'(_____, _____)



How many lines of symme[illegible]e?

10.